**Exploring Careers**

In this assignment, you will conduct research and prepare a report related to a career associated with computer science and describe your findings. Your report should be approximately 500 – 600 words (two word processed, double spaced pages), in standard essay format and style, with appropriate formatting. Include a bibliography that cites your resources. A sample bibliography will be attached. Your work should satisfy the requirements below:

**First:** Choose a career associated with computer studies such as computer scientist, software engineer, application developer, computer science teacher/professor, IT consultant, game developer, e-commerce architect, IT manager, network administrator, network manager, web developer, wireless developer, or systems analyst and include the following information:

* a brief description of the job and its responsibilities
* the education required for such a career
* essential skills and work habits that are important for success in the career
* the future possibilities (outlook) for that career
* the salary range

**Second:** Investigate postsecondary education opportunities that would prepare you for employment in the computer career that you discussed in the first section of this report. It is your task to find a suitable program at a Canadian college/technical institute or a Canadian university and explore the following:

* entrance requirements,
* description of first year program (courses)
* length of time (to complete the degree or diploma)
* costs (tuition and books) for each of the institutions

**Third:** A bibliography should be provided. An example of how to properly cite a website in MLA format is located below. If you use resources other than websites, here is a site that will show you how to properly cite your work: http://www.citationmachine.net/mla

“India.” Travel.State.Gov. Bureau of Consular Affairs, U.S. Department of State, 17 Feb. 2010. Web. 4 May 2010.

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| Exploring Careers in Technology | | | | |
| **Categories** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Knowledge and Understanding -knowledge of content (e.g., career component-identification of career, job category, description of job, educational requirements, essential skills, future outlook, salary range; post-secondary component-identification of educational institution, entrance and degree or diploma requirements)** | - demonstrates limited knowledge of content | - demonstrates some knowledge of content | - demonstrates considerable knowledge of content | - demonstrates thorough knowledge of content |
| **Thinking -use of processing skills (e.g., clear synopsis of research and evaluation)** | - uses processing skills with limited effectiveness | - uses processing skills with some effectiveness | - uses processing skills with considerable effectiveness | - uses processing skills with a high degree of effectiveness |
| **Communication -use of conventions (e.g., spelling and grammar, paragraph structure, thorough bibliography / sources included)** | - uses conventions with limited effectiveness | - uses conventions with some effectiveness | - uses conventions with considerable effectiveness | - uses conventions with a high degree of effectiveness |
| **Application -application of knowledge and skills (e.g., formatting of document, 500 words) in familiar contexts.** | - applies knowledge and skills in familiar contexts with limited effectiveness | - applies knowledge and skills in familiar contexts with some effectiveness | - applies knowledge and skills in familiar contexts with considerable effectiveness | - applies knowledge and skills in familiar contexts with a high degree of effectiveness |
| **Application -transfer of knowledge and skills (e.g., discussion of educational choice with evaluation of their own Essential Skills and work habits) to new contexts.** | - transfers knowledge and skills to new contexts with limited effectiveness | - transfers knowledge and skills to new contexts with some effectiveness | - transfers knowledge and skills to new contexts with considerable effectiveness | - transfers knowledge and skills to new contexts with a high degree of effectiveness |

Sample Title Page

John Smith

Comp. Sci. 30

Mr. Jurgens

April 30th, 2015